T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		Culverts	
		C.C. Roads.	

First & Final Bill.

SBRNO-312/14-15
28-2-15

M. A. R. 57 (Rule 116)
Measurement Book

BR-473/28-2-15

No. B

Serial No. .....

Name of Work Improvements to Roads, Drains and Covering Slab at Vemnana Layout 3rd & 4th Cross in ward NO-16. From ..... To 251039

Name of Contractor of nature of Agency .... Sri. Shivakumar N.M.

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	work code NO:- 010-15-000025.						
	Agreement NO:- 275 Dated 03-02-2015.						
	work order NO:- EE/BTP/BBMP/E-PMT/275/2014-15. Date 03-02-2015.						
	Address of Agency:- #07, 2nd Block Jungana halli Rajajinagara Bangalore						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Measurement Recorded on - 03-02-2015.						
1)	Earthwork excavation by manual means in Hard Soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated Surface leveled and Sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc						
	3rd cross LHS	1	30.00	1.00	0.90	= 27.00 cum	
		1	30.00	1.00	0.90	= 27.00 cum	
		1	30.00	1.00	0.90	= 27.00 cum	
		1	30.00	1.00	0.90	= 27.00 cum	
		1	30.00	1.00	0.90	= 27.00 cum	
		1	31.10	1.00	0.90	= 27.99 cum	
	3rd cross RHS	1	30.00	1.00	0.90	= 27.00 cum	
		1	30.00	1.00	0.90	= 27.00 cum	
		1	30.00	1.00	0.90	= 27.00 cum	

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Serial No. .....
Name of Work ..... From...
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
		1
		1
		aty
		@
2)	Providing and laying in position Cement @ 180 Kgs with 40mm ag aggregates @ 0.85cum and fine a laid in layers not exceeding 15cm including cost of all materials (a

BOOK

ns		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
15.			
n Hard Soil involving an average verage lift upto 0.5m, excavated d, the disposed earth to be leveled			
0	0.90 = 27.00 Cum		
0	0.90 = 27.00 Cum		
0	0.90 = 2700 Cum		
0	0.90 = 27.00 Cum		
0	0.90 = 27.00 Cum		
0	0.90 = 27.89 Cum		
0	0.90 = 27.00 Cum		
0	0.90 = 27.00 Cum		
0	0.90 = 27.00 Cum		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251040

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	30.00	1.00	0.90 = 27.00 Cum		
		1	3.00	1.00	0.90 = 2.70 Cum		
					Total = 273.69 Cum		
					qty limited to Tender = 273.60 Cum		
					@ RS 111.00	RS 30370.00	
	2) Providing and laying in position Plain cement concrete of mix 1:4:8 with OPC Cement @ 180 Kgs with 40mm and down Size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 Cum machine mixed concrete laid in Layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials Labour.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		4	30.00		0.6 =	72.00 Sqm	
		4	30.00		0.6 =	72.00 Sqm	
		4	3.00		0.6 =	7.20 Sqm	
					Total =	729.84 Sqm	
					Qty limited to Tender =	729.60 Sqm	
			@ RS 292.00			RS 213043.00	
4)	Providing and laying in position reinforced cement concrete of design mix M20 OPC cement @ 320 kgs with 20mm and down size graded granite metal coarse aggregates machine mixed, concrete laid in layers not exceeding 15cms thick. vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintel, retaining wall 1/8, including cost of all materials Labour.						
	Bottom concrete of 3rd cross LHS	1	30.00	0.90	0.15 =	4.05 Cum	

M. A. R.
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Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
		1
		1
		1
		1
		1
	3rd cross RHS	1
		1
		1
		1
		1
	Side walls	2
	3rd cross LHS	2
		2

OK

Depth 6	Contents 7	Reference to last Measurement 8
0.6 =	72.00 Sqm	
0.6 =	72.00 Sqm	
0.6 =	7.20 Sqm	
Total =	729.84 Sqm	
Deduct =	729.60 Sqm	
	Rs 213043.00	
ent concrete of design mix own size graded granite laid in layers not foundation plinth and el, referring wall 1/8,		
15 =	4.05 Cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

251042

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	3rd cross RHS	1	30.00	0.90	0.15 =	4.05 Cum	
		1	30.00	0.90	0.15 =	4.05 Cum	
		1	30.00	0.90	0.15 =	4.05 Cum	
		1	30.00	0.90	0.15 =	4.05 Cum	
		1	31.10	0.90	0.15 =	4.20 Cum	
		1	30.00	0.90	0.15 =	4.05 Cum	
		1	30.00	0.90	0.15 =	4.05 Cum	
		1	30.00	0.90	0.15 =	4.05 Cum	
		1	30.00	0.90	0.15 =	4.05 Cum	
	Side walls 3rd cross LHS	1	3.00	0.80	0.15 =	0.41 Cum	
		2	30.00	0.15	0.60 =	5.40 Cum	
		2	30.00	0.15	0.58 =	4.95 Cum	
		2	30.00	0.15	0.60 =	5.40 Cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3rd cross RHS	2	30.00	0.15	0.70 =	6.30 cum	
		2	30.00	0.15	0.65 =	5.85 cum	
		2	31.10	0.15	0.70 =	6.53 cum	
		2	30.00	0.15	0.60 =	5.40 cum	
		2	30.00	0.15	0.55 =	4.95 cum	
		2	30.00	0.15	0.55 =	4.95 cum	
		2	30.00	0.15	0.60 =	5.40 cum	
		2	3.00	0.15	0.65 =	0.59 cum	
					Total =	96.77 cum	
					Less =	95.76 cum	
						Rs 580784.00	

C&FC

Qty limited to Tender @ Rs 6065.00

5) providing mild steel reinforced for R.C.C including straightening, cutting, bending, hooking, placing in position. lapping / welding

M. A.
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Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	wherever required, tying with wherever necessary complete as	
	Qty vide page Pa of this M.B No 2	
6)	providing granite slabs of Sele mortar (1:6) including fixing c 3rd cross LHS	L

OOK

h	Depth 6	Contents 7	Reference to last Measurement 8
	0.70 =	6.30 Cum	
	0.65 =	5.85 Cum	
	0.70 =	6.83 Cum	
	0.60 =	5.40 Cum	
	0.55 =	4.95 Cum	
	0.55 =	4.95 Cum	
	0.60 =	5.40 Cum	
	0.65 =	0.59 Cum	
	Total =	96.77 Cum	
	Tender =	95.76 Cum	

C & FC of

285 Point

RS 580784.00

including straightening, toon. tapping/welding

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251043

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design.						
	Qty vide Page Page No 251094 of this M.B No 2511 @ RS 7975.00					= 57.46 Qtl	RS 458244.00
	6) providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc complete as per specifications.						
	3rd Cross LHS	1	30.00		0.90	= 27.00 Sqm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3rd cross RHS	1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	31.10		0.90 =	27.99 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	3.00		0.90 =	2.70 Sqm	
					Total =	273.69 Sqm	
					qty limited to Tender =	273.60 Sqm	
					@ Rs 642.00	Rs 175651.00	

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Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number	Le
1	2	3	
7)	providing chamfering edges to St Conly chamfered length shall be 567 3. @ Rs		
8)	providing two line dressing to gra per specifications qty vide Ite @ Rs 851.0		

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
	0.90 =	27.00 Sqm	
	0.90 =	27.00 Sqm	
	0.90 =	27.00 Sqm	
	0.90 =	27.00 Sqm	
	0.90 =	27.00 Sqm	
	0.90 =	27.00 Sqm	
	0.90 =	27.00 Sqm	
	0.90 =	27.00 Sqm	
	0.90 =	27.00 Sqm	
	0.90 =	2.70 Sqm	
	Total =	273.60 Sqm	
	Tenalx =	273.60 Sqm	
		RS 175651.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251044

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
7)	providing chamfering edges to stone slab 2 cms wide as per specifications (Cony chamfered length shall be recorded) etc complete as per specifications.	507	3.00			= 1521.00 mt	
		@ RS 32.00					RS 48672.00
8)	providing two line dressing to granite stone slab/granite stone masonary as per specifications	Qty vide Item no - 6				= 273.60 Sqm	
		@ RS 851.00					RS 232834.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	9) Lead for Disposal of Debris Shall be payable at carriage rates by Mechanical means including loading and unloading etc complete as Per Specifications						
	Qty vide Item No- 1					= 259.92 Cum	
	@ RS 73.00					RS 18974.00	
						RS 19796.00	
	10) Add 1% for third Party inspection charges						
						Total RS 199939.00	
						199594=	
	(Rupees Ninteen Lakhs Ninty Nine thousand three hundred Ninty one only)						
						Zadhav	
						AE 28/2/2015	

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IT- 19796
VAT - 79184
ED - 118776
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CST 1988
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Date of commencement of work
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tor of nature of Agency

Date	Full description, etc, of work	Number
1	2	3
	Total 254188 =	
	Certificate;	
	certified that	
	No materials	
	Zadhav	
	AE 28/2/2	

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
ayable at carriage rates by and unloading etc complete as			
0-t	= 259.92 Cum		
		Rs 18874.00	
arges		Rs 19798.00	
		Total Rs 1999391.00	
		1979594=	
housand three hundred			
		Zadhav	
		AE 28/2/2015	

IT - 19796
VAT - 79184
FSD - 118776
Lwc - 19796
WCP 1988
Cess 14856

M. A. R. 57 (Rule 116)
Measurement Book 1979594= No. B
254188=
251045
Serial
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tor of nature of Agency
Date of commencement of work
From To
1925406=00

Date 1	Full description, etc, of work 2	Number 3	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Total 254188=						
	Certificate; certified that the above work done satisfactory and no materials issued from departmentary Zadhav AE 28/2/2015						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97